

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/41488

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B21C 3/02
US CL : 72/467; 76/107.4

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 72/467; 76/107.4

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,392,397 A (ENGELFRIET et al) 12 July 1983 (12.07.1983), see Figures 4-7 and column 5, lines 30-62, and column 6, lines 1-4.	1-5 and 10-17
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Y		6-9 and 18-20
Y	US 2,027,787 A (RIDGWAY et al) 14 January 1936 (14.01.1936), see the Figure and page 4, column 2, lines 35-70.	6-8, 19 and 20
A	US 1,597,927 A (SIMONS) 31 August 1926 (31.08.1926), see Figures 3 and 5.	2
A	US 4,145,910 A (SCHEEL) 27 March 1979, (27.03.1979), see Figures 1 and 2.	1-20
A	US 4,241,625 A (CORBIN et al) 30 December 1980 (30.12.1980), see Figure 4.	1-20
A	US 4,260,397 A (BOVENKERK) 07 April 1981 (07.04.1981), see column 5, lines 55-67, and column 6, lines 1-3.	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance
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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Date of the actual completion of the international search

26 April 2005 (26.04.2005)

Date of mailing of the international search report

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